

## Closed Topic Search

Enter terms  
Search

[Reset](#) Sort By: Open Date (descending)

- [Relevancy \(descending\)](#)
- [Title \(ascending\)](#)
- [Open Date \(ascending\)](#)
- [Close Date \(descending\)](#)
- [Release Date \(descending\)](#)

NOTE: The Solicitations and topics listed on this site are copies from the various SBIR agency solicitations and are not necessarily the latest and most up-to-date. For this reason, you should visit the respective agency SBIR sites to read the official version of the solicitations and download the appropriate forms and rules.

Displaying 61 - 70 of 811 results



### [1. OSD13-PR2: Advanced Sealing Concepts for Small Heavy-fuel, Remotely Piloted Aircraft Propulsion Systems](#)

Release Date: 07-26-2013 Open Date: 08-26-2013 Due Date: 09-25-2013 Close Date: 09-25-2013

OBJECTIVE: Develop sealing technologies for heavy fuel engines for Remotely Piloted Aircraft (RPA). The technology should address sealing in engine classes of reciprocating and rotary engines for improved durability. DESCRIPTION: Shortfalls with existing RPA systems include durability issues associated with engine seals. Two key RPA systems in the DoD inventory are the USAF's Predator and U ...

SBIR Department of Defense Office of the Secretary of Defense

### [2. OSD13-PR3: Advanced Thermal Management Systems for Improved UAV Engine Durability/Performance](#)

Release Date: 07-26-2013 Open Date: 08-26-2013 Due Date: 09-25-2013 Close Date: 09-25-2013

OBJECTIVE: To develop, and demonstrate improvements in cooling capability of propulsion systems currently in use on unmanned aerial vehicles (UAV); to show a 20% reduction in cooling efficiency. DESCRIPTION: Two of the most popular UAVs used in the US are the US Air Force's Predator, and the US Army's Shadow 200. The US Air Force Predator is classified as a medium altitude, long endurance UA ...

SBIR Department of Defense Office of the Secretary of Defense

### [3. OSD13-PR4: Advanced Durability Systems for UAS Propulsion](#)

Release Date: 07-26-2013 Open Date: 08-26-2013 Due Date: 09-25-2013 Close Date: 09-25-2013

**OBJECTIVE:** Improve UAS engine durability by applying advanced designs/materials for bearing, housing, and rotating components/systems. **DESCRIPTION:** UAS propulsion systems currently suffer from durability issues resulting in frequent overhauls. Incorporating advanced durability systems could lead to longer durations between engine overhaul times and increased engine life, resulting in a lar ...

SBIR Department of Defense Office of the Secretary of Defense

### [4. OSD13-PR5: Improved Turbo/Superchargers for UAS/UGS Application](#)

Release Date: 07-26-2013 Open Date: 08-26-2013 Due Date: 09-25-2013 Close Date: 09-25-2013

**OBJECTIVE:** Demonstrate an advanced forced induction system for UAS/UGS applications in the 50 to 150 HP range. **DESCRIPTION:** The benefits of greater power and efficiency are offered by using turbochargers and superchargers for small UAS propulsion systems which including rotary, piston, and other developing engines. Present day UASs suffer performance losses upon takeoff and at altitude. The ...

SBIR Department of Defense Office of the Secretary of Defense

### [5. ST13B-001: Advanced Tools for Mammalian Genome Engineering](#)

Release Date: 07-26-2013 Open Date: 08-26-2013 Due Date: 09-25-2013 Close Date: 09-25-2013

**OBJECTIVE:** Improve the utility of Human Artificial Chromosomes (HACs) by developing new selectable metabolic markers for use in human cells, new high-fidelity methods for inserting DNA constructs of at least 50,000 base pairs (bp) in length into defined genomic loci, and new methodologies for facile intercellular genome transplantation. **DESCRIPTION:** The ability to deliver exogenous DNA to mamma ...

STTR Department of Defense Defense Advanced Research Projects Agency

### [6. ST13B-002: Quantum Dot Mid-Wave Infrared Focal Plane Array](#)

Release Date: 07-26-2013 Open Date: 08-26-2013 Due Date: 09-25-2013 Close Date: 09-25-2013

**OBJECTIVE:** Develop a mid-wave infrared (MWIR) focal plan array (FPA) using quantum dots for next-generation night vision. **DESCRIPTION:** Historically, night vision has provided the United States Armed Forces with an asymmetric tactical advantage in combat operations. However, the tradeoffs of low sensitivity (microbolometers), high power consumption (active cooling), or specialized consumables ( ...

STTR Department of Defense Defense Advanced Research Projects Agency

## **7. ST13B-003: Multiferroic Materials for RF Applications**

Release Date: 07-26-2013 Open Date: 08-26-2013 Due Date: 09-25-2013 Close Date: 09-25-2013

OBJECTIVE: Demonstrate RF/microwave devices, components, and circuits based on multiferroic composite structures. Design discrete devices for radio and radar with a new tunability feature that adds to the performance over conventional RF/microwave components by leveraging the voltage-tunable frequency response of multiferroics. Demonstrate voltage tunable devices with performance equal to or bet ...

STTR Department of Defense Defense Advanced Research Projects Agency

## **8. ST13B-004: Data-Parallel Analytics on Graphics Processing Units (GPUs)**

Release Date: 07-26-2013 Open Date: 08-26-2013 Due Date: 09-25-2013 Close Date: 09-25-2013

OBJECTIVE: Explore the space of data-centric problems and algorithms that lend themselves to high-performance implementation on GPUs; develop a high-level language for easy programming of GPUs; and develop a product that can support real-time, quantitative analysis of a wide variety of data using the cost and energy efficient compute capabilities of GPUs and other relevant many core architectures. ...

STTR Department of Defense Defense Advanced Research Projects Agency

## **9. MDA13-T001: Decision Making under Uncertainty**

Release Date: 07-26-2013 Open Date: 08-26-2013 Due Date: 09-25-2013 Close Date: 09-25-2013

OBJECTIVE: Analyze the impact of sensor measurement uncertainties on centralized data fusion and design optimal strategies to mitigate the associated target classification. DESCRIPTION: This topic solicits innovative approaches to characterize target sensor measurement uncertainties and to design effective sensor architectures to aid uncertainty mitigation (e.g. whether sending measurements or ...

STTR Department of Defense Missile Defense Agency

## **10. MDA13-T002: Micro-Particle Debris Characterization from Hyper-Velocity Impacts**

Release Date: 07-26-2013 Open Date: 08-26-2013 Due Date: 09-25-2013 Close Date: 09-25-2013

OBJECTIVE: Develop innovative, laboratory-based methods to measure and characterize (i.e. size, number, temperature etc.) the small particles less than 1 cm generated in hyper-velocity impacts. Those methods should provide benchmark data for physics-based impact debris prediction codes aimed at modeling electro-optical / infra-red (EO/IR) impact flash signatures. The methods may include sensor ...

STTR Department of Defense Missile Defense Agency

- [First](#)
- [Previous](#)
- ...
- [3](#)
- [4](#)
- [5](#)
- [6](#)
- [7](#)
- [8](#)
- [9](#)
- [10](#)
- [11](#)
- ...
- [Next](#)
- [Last](#)

```
jQuery(document).ready( function() { (function ($) { $('#edit-keys').attr("placeholder", 'Search  
Keywords'); $('span.ext').hide(); })(jQuery); });
```